

20000727.qrp v01_n895.qrl.20000727

Date: Thu, 27 Jul 2000 19:03:04 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1895

QRP-L Digest 1895

Topics covered in this issue include:

- 1) [75937] Fox...etc
by Pete Burbank <plburbank@kih.net>
- 2) [75938] Solar Power (Amorphous panels)
by Jeremy Cooper <jeremy@baymoo.org>
- 3) [75939] Re: [AQR] CQ Austin Summerfest Diners, forum
by Stuart Rohre <rohre@arlut.utexas.edu>
- 4) [75940] Re: [Elecraft] Elecraft K1 Quick Reference Card
by Phil Wheeler <w7ox@earthlink.net>
- 5) [75941] Equivalent part for 1N5220 Diode?
by ke6d@juno.com
- 6) [75942] Re: QRP-L
by "John J. McDonough" <wb8rcr@arrl.net>
- 7) [75943] Antennas for the vacation house by the beach
by Stuart Rohre <rohre@arlut.utexas.edu>
- 8) [75944]
by w6ors@juno.com
- 9) [75945] Re: DITTER
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
- 10) [75946] Congratulations Go To...
by Steve Yates <aa5tb@yahoo.com>
- 11) [75947] FOX?
by N10DL@aol.com
- 12) [75948] FOX? oops
by N10DL@aol.com
- 13) [75949] switching power supplies
by Dave Pomeroy <dave_pomeroy@voyager.net>
- 14) [75950] Contest Announcement
by Bob Hightower <nk7m@extremezone.com>
- 15) [75951] mfj1621
by paul taylor <ptay1@miro.bestweb.net>
- 16) [75952] RE: Toroid winding
by Nick Kennedy <nkennedy@tcinternet.com>
- 17) [75953] SMiTe: N4ROA SMiTe Report:
by "Dennis Brickey" <n4dd@preferred.com>
- 18) [75954] Re: Antennas for the vacation house by the beach
by Tom Popovic <ki3r@yahoo.com>
- 19) [75955] SMK-1

- by K1vm@aol.com
- 20) [75956] DX-77 T/E
by "Frederick R. Ramont" <frr1@mindspring.com>
- 21) [75957] GAP Titan Questions....
by "Mark A. Prather" <maprath@prairienet.org>
- 22) [75958] Re: GAP Titan Questions....
by neil <neil@aade.com>
- 23) [75959] HOA's and antennas.....
by GElam30092@aol.com
- 24) [75960] FOBB - What bands?
by "K7FD-N7SG" <cqdx@teleport.com>
- 25) [75961] FS: SWR/Power meters, Books
by Jerry Albertin <kg2jff@juno.com>
- 26) [75962] FS: OHR/etc update...
by Radman <radman@best.com>
- 27) [75963] FS: Weber 11-2-10 kit & CBs...
by Radman <radman@best.com>
- 28) [75964] Re: GAP Titan Questions....
by "Pastor-KC1DI" <elbc@pivot.net>
- 29) [75965] More Clandestine Signals ?
by John R Kirby <n3aaz-qrp@juno.com>
- 30) [75966] Re: GAP Titan Questions....
by "Mike Mellinger WA0SXV" <wa0sxv@mellinger.com>
- 31) [75967] FS: HW-7 & "twoer"...
by Radman <radman@best.com>
- 32) [75968] Ft. Tuthill Portable
by Thomas Kuehl <ac7a@gci-net.com>
- 33) [75969] Ft. Ttuhill Here We Come!
by "James R. Duffey" <jamesd1@flash.net>
- 34) [75970] Bumblebee propagation
by ARDUJENSKI@aol.com
- 35) [75971] Re: SMK-1
by NB6M@aol.com
- 36) [75972] Re: SMK-1
by NB6M@aol.com
- 37) [75973] CONTEST: QRP Contesting - July 29/30
by Ken Newman <N2CQ@citnet.com>
- 38) [75974] Wrong e-mail address in number list
by "Caitlyn M. Martin" <caitlyn@netferrets.net>
- 39) [75975] RE: GAP Titan Questions....
by "steve" <sblary@bellsouth.net>
- 40) [75976] Re: FOBB - What bands?
by "Bob Tellefsen" <n6wg@earthlink.net>
- 41) [75977] Re: HB: filter caps & decoupling & wattmeters
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 42) [75978] Conductive Epoxy Suppliers
by Jeremy Cooper <jeremy@baymoo.org>
- 43) [75979] Re: FOBB - What bands?

by Andrew Madsen <andrew@utahdesign.com>
44) [75980] Re: GAP Titan Questions....
by ARDUJENSKI@aol.com
45) [75981] SD-1 - a simple project -
by Bruce Rattray <rattray@gpfn.sk.ca>
46) [75982] Re: QRP-L
by Phil Wheeler <w7ox@earthlink.net>
47) [75983] Update - FS long
by M Goins <mgoins@usa.net>
48) [75984] Re: FOBB - What bands?
by Paul Erickson <paule@sfu.ca>
49) [75985] Vertical Learnings
by "Damon S Raphael, MD (w7md)" <w7md@azstarnet.com>
50) [75986] Re: FOBB - What bands?
by Bob Patten <n4bp@bc.seflin.org>
51) [75987] Re: FOBB - What bands?
by Paul Erickson <paule@sfu.ca>
52) [75988] Ideas for portable backpacking masts?
by Mike Parkes <mike.parkes@westcoasthotels.com>
53) [75989] FS: NC20
by "David Maliniak" <dmaliniak@verticalnet.com>
54) [75990] Re: Ideas for portable backpacking masts?
by Phil Wheeler <w7ox@earthlink.net>
55) [75991] RE: Backpacking antennas
by N10DL@aol.com
56) [75992] FS: update/watts left...
by Radman <radman@best.com>
57) [75993] SW-40 to SW-80 Conversion
by "Glen Torr" <glentorr@ozemail.com.au>
58) [75994] Tunnel Diodes WTB
by Pete Burbank <plburbank@kih.net>
59) [75995] Re: Ideas for portable backpacking masts?
by K1JD@aol.com
60) [75996] F.S. Nicad batteries
by K4NK@aol.com
61) [75997] Re: Updated BEE ROSTER
by "Richard McGaver" <mcgaver@execpc.com>
62) [75998] Presidents award QRP ARCI
by K4NK@aol.com
63) [75999] Re: FOBB - What bands?
by Bob Patten <n4bp@bc.seflin.org>

Date: Wed, 26 Jul 2000 19:09:29 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@lehigh.EDU>
Subject: [75937] Fox...etc

Message-ID: <3.0.32.20000726190925.00755aac@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I missed the original post too. Very possibly it evolves from the "pecuniary interest" clause in the regs.
In that case , the donee can keep the prize...I just like having fun and have enough stuff here.
Back to the phased vertical project.
73 Pete NV4V

Date: Wed, 26 Jul 2000 16:22:28 -0700 (PDT)
From: Jeremy Cooper <jeremy@baymoo.org>
To: Mike Parkes <mike.parkes@westcoasthotels.com>
Cc: qrp-l@lehigh.edu
Subject: [75938] Solar Power (Amorphous panels)
Message-ID: <Pine.BSF.4.21.0007261252180.9215-1000000@simon.baymoo.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Mike, I use my SST-40M exclusively on solar power at home, where I have the luxury of having a roof onto which I can place the inflexible glass solar panels that I use. I don't know if you're looking to be more mobile than that, but if you aren't, then the following might be helpful.

I use a total of three 1.7 watt amorphous glass panels in parallel. I These panels will emit up to 18VDC in an open circuit, and less depending on how you load them. Despite the fact that the SST manual says that the rig will accept 9-16V, 18V doesn't seem to harm it one bit. It is only during receive that the voltage manages to climb that high anyways. When I key down the voltage falls to about 13.5V in bright sunlight.

(Warning: You probably already know all you need to know about solar panels, but I've been storing up the following lecture for a while and figured that now would be an ok time to let loose.)

STUFF I LEARNED ABOUT AMORPHOUS SOLAR PANELS

1. Where to get 'em

I bought these panels from different places. I purchased the first panel from Jameco (part #106702. Page 65 in their latest catalog). I bought the remaining panels from a surplus outlet near me. They all appear to be

of the same construction, amorphous silicon layered on glass.

2. How to hook them up

When the first panel arrived, I had no idea how to hook it up. After doing some researching and asking around, I found that you have to attach wires to the silvery surface on the back. This can't be done unless you have conductive tape or conductive epoxy. Soldering just doesn't work.

At first, having no epoxy, I chose conductive tape. I've found that aluminum tape from a hardware store works just fine. (If possible, take an ohmmeter with you to test things out). However, I began to fear that the tape might eventually pull the backing off the panel and ruin it. So I switched to conductive epoxy.

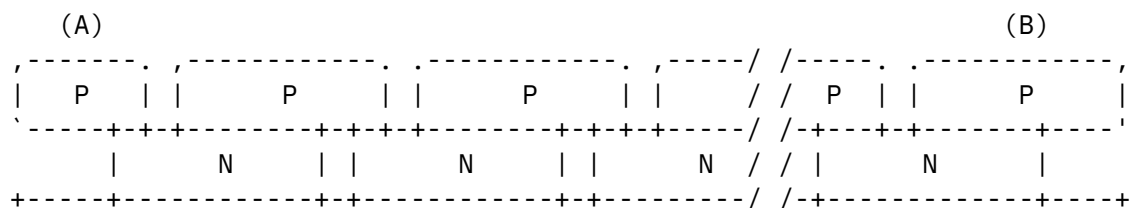
2.2 Where to attach the wires

The backs of these panels look like this

```
+-----+
|=====|
|=====|
|=====|
|=====|
|=====|
|=====|
|=====|
|=====|
+-----+
```

Figure 1: The back of an amorphous solar panel.

There are many minute lines crossing the back surface. Each line defines the boundary of a solar cell. If you look closely, you'll see there are two types of lines. There are those which look silvery, and those which look brown. These lines are in fact breaks in the two layers of N and P doped silicon used to make the panel. If you looked at the whole panel through a microscopic cross section, it would look like this



| G L A S S / / |

Figure 2: Cross section of an amorphous solar panel.

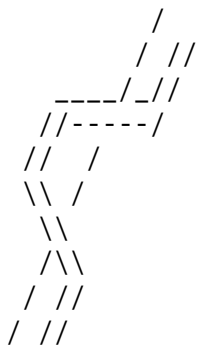
As you can see, the breaks in the independent N and P layers are staggered. Each brown line is a break in the P layer on the top, while each silver line is a break in the N layer on the bottom. You can measure the voltage between each cell simply by placing probe tips on the back of a cell and one adjacent to it. If you hold one probe in place and move the other farther away from it, you will see the voltage increase as you cross each cell boundary.

2.2.1 Using Conductive Tape

To get the most out of the panel, you want to attach wires to the backs of the cells at A and B. If you use conductive tape, be sure that no part of the tape crosses a brown line boundary. If it does, you will effectively convert the two cells that it crosses into a parallel circuit, increasing your available current slightly, but decreasing your available voltage as well. (This could in fact be desirable if you find the panel voltage is far too high for your liking).

2.2.2 Using Conductive Epoxy

When I switched to epoxy, I was afraid of epoxying a wire directly to the panel back because permanently attached wires always break off after a while. So instead, I took some heavy gauge wire and made "U" style bends out of them. I then epoxied the ends of the wire to the panel, leaving the bent part to hang over the edge, where alligator clips or some other connection mechanism can be fastened. Be sure to keep the epoxy from crossing a cell boundary, just as you would if you were using conductive tape.



/

Figure 3: Attaching a bent wire to the back of a solar panel.
Epoxy the wire ends to the surface, leaving the bent part
to hang over the edge.

2.3 Using Their Power

Amorphous solar cells have a relatively high output impedance when you compare them to something like a Ni-Cad battery or power supply. This means that the more current you draw from them, the lower their output voltage appears to be.

Most manufacturers will give you an 'Open Circuit' rating on their cells. This open circuit rating defines the maximum voltage that cell will attain when it is in bright sunlight and completely unloaded. While it may not seem like this information is of any use because it doesn't tell you what the voltage will be once you start extracting current from the cell, it is important when you consider using the cells to power something like a voltage regulator. At no point in time do you want the input voltage on an unloaded voltage regulator to exceed its rating.

If you are lucky, the manufacturer will also give you another rating. This rating will state another, lower voltage, and the amount of current that will flow at that voltage. My panels came with a 12V/0.141A rating, which means that in bright sunlight, if I draw 141mA from the panel, there will still be 12V of potential between its positive and negative ends. To find the voltage at another load you need only interpolate. For example, if I were to draw 70mA of current off of the panel, its remaining voltage would be approximately 15V (half way between 12V and 18V).

Hope this is useful to somebody. Sorry if it was spam.

-Jeremy

KE6JJJ

Date: Wed, 26 Jul 2000 18:45:25 -0500
From: Stuart Rohre <rohr@arlut.utexas.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, aqrp@egroups.com
Subject: [75939] Re: [AQR] CQ Austin Summerfest Diners,forum

Message-ID: <MailDrop1.2d7j.1000726184525@rohre.arlut.utexas.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

The event is near!

To all those coming for food and prizes to Lone Star Cafe, Middle Fiskville Rd. across from the Hilton, and in Lincoln Center, on IH 35, Friday night of Austin Summerfest, (QRP gathering and ham convention). That is THIS Friday, July 28,-- please email me so that I may get a head count. Thanks!
<k5kvh@arrl.net> or <rohre@arlut.utexas.edu>

Dutch treat dinner, and there will be prizes including Monty's, N5FC's version of the SMITE Frequency Counter.

Lone Star features Texas cooking including the best Chicken Fried Steaks, Chicken Fiesta, Fish, homestyle veggies, baked potato, fries, onion rings, sandwiches, and desserts to die for. (Toll House Cookie pie ala mode among others). There will be the usual liquid libations, and imports. Prices are ham friendly. Service has been excellent, and maybe we will be entertained by the other group table like last year!

It would be helpful, for you to let me know if you are coming Sat. July 29, at 10 AM for the QRP Forum. Remember, there are prizes there as well.

In Austin, you can come and not have to worry about acclimating to the Altitude!

In Austin, you can swap in air conditioned comfort, or out in the warm Sun! (93 degrees, today) (At least).

The sunsets have been beautiful, and yes, we now have SEEN rain, felt rain, and may have cooler temperatures for visitors. Of course, this is Texas, if you do not like the weather, wait ten minutes, it might change.

Plenty of overflow parking next to the Hilton in the Highland Mall Parking lot, which is also next to the Super 8 Motel, where the Forum will be held in the PEACH room!

AQRP is having a table in the swap meet. If you have QRP literature to give away, bring it. If you want to sit a spell and sell something of yours, bring it. If you want to buy QRP related stuff, come. AQRP will not be manning the table full time, but this will be a watering hole for meeting and greeting each other before the Forum and after on Sat. Remember, you will be responsible for your own items. Bring stuff to give away, too. Everybody needs to change stuff once in a while.

Further good news, is that there is a free Hospitality suite both on Friday

night, and on Saturday night, at the Hilton. In one of the upper floor suites, or as listed on the schedules at Registration tables. Cash bar, soft drinks, but snacks provided by the Austin Summerfest and local clubs. Host will be Jeff N5MNW and Lori KM5MQ and friends. Also good news, is Texas Dept. of Transportation is not closing the IH 35 and 290 intersection close by the convention, for the bridge installation they are about to do. This was postponed from this coming weekend! There will still be construction zones, but if you need directions, the talk in channel will alert you to alternate approaches.

A new feature this year, will be an ARRL table with giveaways and a chance to meet the ARRL officials attending the convention for a one on one talk. Let's lobby them for the QRP DXCC!

On Fri. and Sat. official Summerfest talk-in will be on 146.94. However, Ed N5EM, (distinguished CQ Magazine writer who will be there Fri. night and Sat.), has suggested we also have a QRP "talk-in" and I have suggested the 146.78 repeater.

Looking forward to all those South of the Red River to be in Austin Friday and Saturday,

72,
Stuart K5KVH

Date: Wed, 26 Jul 2000 16:41:21 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
Cc: EleCraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [75940] Re: [Elecraft] Elecraft K1 Quick Reference Card
Message-ID: <397F7721.E0641A8E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Eric Swartz WA6HHQ - Elecraft wrote:

>
> For those of you who can't wait, we have placed a Quick Reference Card at:
> <http://www.elecraft.com/K1/K1quick.pdf> for the new K1 dual band QRP
> transceiver. We should be putting the manual up on the site in the next
> several weeks too.
>

Eric,

There was a cat in the K1 Ref Card bag: The ATU item under Menu. YES!!

The K1 Quick Reference shows that it will be one impressive little rig.

Phil

Date: Wed, 26 Jul 2000 17:02:32 -0500
From: ke6d@juno.com
To: qrp-1@Lehigh.EDU
Subject: [75941] Equivalent part for 1N5220 Diode?
Message-ID: <20000726.170233.137.1.ke6d@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi,

I am building a charge controller (Micro M) for my solar panel. The controller is in a semi-kit form. One of the device, the 1N5220, is not included with the kit. I have a hard time locating one.

Can anyone recommend me an equivalent part for this device?

TIA es 73 de Dan, KE6D

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Try it today - there's no risk! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 26 Jul 2000 20:15:25 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <colcal@srv.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75942] Re: QRP-L
Message-ID: <006b01bff75f\$c6987fe0\$010044c0@Conor.baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This time of year, this happens a lot, with vacations and all.

Sending mail to the list doesn't work. Nobody else has the capability of postponing your mail.

There are 2 way to do this. If you have full Internet access, go to <http://www.qrparci.org/qrplacc.htm> and click on "Postpone your mail". If all you have is email, send mail to listserv@Lehigh.EDU with the body

SET QRP-L MAIL POSTPONE

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Wed, 26 Jul 2000 19:31:46 -0500
From: Stuart Rohre <rohre@arlut.utexas.edu>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [75943] Antennas for the vacation house by the beach
Message-ID: <397F82F1.419C7C89@arlut.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ah! Wish I could afford to go to the beach right now!

The dipole as an inverted Vee will work great, and you can fold the ends in toward the pole support to take care of not having enough room to spread out the legs.

A vertical works at the beach IF it is right in the water's edge, otherwise, you need the usual radials, if it is bottom fed and a quarter wave tall. But, if you can put up a vertical half wave, or nearly, dipole, feed the center with ladder line, and even if the dipole is not resonant, use a transmatch with it, you can do 40M and upper bands, if you take multiband rigs. 40M should be OK at night, and good for in state use during the days.

Don't overlook the use of a horizontal loop over good seaside (damp) ground. Even 20 feet up you would be amazed at the DX. You can run the loop as any shape like around the eaves of the vacation house, if insulated, in the gutter. Again, use a transmatch to take care of coupling issues. Loops can be rectangular, square, circular, offset triangle, what have you to work with? It will make an interesting pattern on higher bands if not symmetrical. But, this is vacation antenna and does not have to be perfect!

GL and 72,
Stuart K5KVH (FD 2000 Albritton Loop user, 630 feet circumference triangle.)

Date: Wed, 26 Jul 2000 14:41:22 -0500
From: w6ors@juno.com
To: qrp-l@Lehigh.EDU
Cc: w6ors@juno.com
Message-ID: <20000726.144129.-3720541.3.w6ors@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Postpone w6ors@juno.com

Date: Wed, 26 Jul 2000 20:52:14 -0400 (EDT)
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: w8diz <w8diz@cinci.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75945] Re: DITTER
Message-ID: <Pine.BSI.4.05L.10007262051350.6234-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dieter Hears Ditter
It has a magic ring.
> 73 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio

../..
baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster

<http://www.baltimoremd.com/> Baltimore's Home Page
<http://www.baltimorehon.com> Home of the Baltimore Lexicon
<http://www.min.net/~thom/> QRP and Drake Mail List Pages

Date: Wed, 26 Jul 2000 17:51:04 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: QRP-L Distribute <qrp-l@Lehigh.EDU>
Subject: [75946] Congratulations Go To...
Message-ID: <20000727005104.5264.qmail@web3003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Rick Campbell, KK7B.

"The ARRL Board of Directors selected Rick Campbell, KK7B, of Portland, Oregon, as the recipient of the 1999 Doug DeMaw, W1FB, Technical Excellence Award. Campbell was selected on the basis of his March 1999 QST article, 'A Binaural I-Q Receiver.'"

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
<http://www.geocities.com/aa5tb>
aa5tb@arrl.net

Do You Yahoo!?
Get Yahoo! Mail - Free email you can access from anywhere!
<http://mail.yahoo.com/>

Date: Wed, 26 Jul 2000 21:07:12 EDT
From: N10DL@aol.com
To: qrp-l@lehigh.edu
Subject: [75947] FOX?
Message-ID: <77.759fbbe.26b0e540@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

All set up and tuned up and don't hear a thing at 0105Z on 14.060. Where are you you mainge little critter.....Im waiting here in NH for you.....Even got my RIT all greased up....I dare you to show your head, or tail.

Aron
N10DL
Bedford, NH

Date: Wed, 26 Jul 2000 21:14:42 EDT
From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [75948] FOX? oops
Message-ID: <43.81195bb.26b0e702@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Boy do I feel stupid. My XYL just walked in and asked me what I was doing.
Told her I was waiting for the FOX....She says (with a big grin)...I thought
the FOX thing was on Thursday night.....Guess I am working too hard....sorry
for the Bandwith. If the FOX see's this, please ignore until tomorrow,
Back into my hole (if my wife ever stops laughing...)

Aron
N10DL

Date: Wed, 26 Jul 2000 21:20:38 -0400
From: Dave Pomeroy <dave_pomeroy@voyager.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75949] switching power supplies
Message-ID: <397F8E66.8E60E450@voyager.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Could anyone tell me where I can get some information on building my own
switching power supply. I need one for 50VDC and 25 amps. I found a
couple of surplus units but they are all linear and heavy. I know this
is not QRP but I will drive this amp with my K2. Thanks for all your
help.

--
Dave Pomeroy K8DNP SouthWest Michigan

Date: Wed, 26 Jul 2000 18:40:19 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-1@lehigh.edu, azqrp@extremezone.com, elecrafft@qth.net
Subject: [75950] Contest Announcement
Message-ID: <200007270135.SAA12495@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Just a reminder that this event is coming up in 3 days!

THE GREAT FT TUTHILL TUNA TIN 2 SPRINT

Announcing the Great Ft. Tuthill Tuna Tin 2 Sprint, sponsored by the Arizona ScQRPions QRP club.

Here's a 'special' sprint that you can work and have fun with as builder/operators of Tuna Tin 2 rigs attempt to contact the outside world from the Ft. Tuthill Hamfest on Saturday, July 29, 2000. Use it as a warmer-upper for the next day's Bumblebee 'test.

Date: July 29, 2000

Time: 2000-2400 UTC

The contest is a single-op QRP CW sprint. Contact as many CW stations as possible on 40 Meters. Stations may be worked only once.

Suggested QRP Frequencies:

7.040 +/- . This is important, as all of the Tuna Tin 2 rigs are rock bound, and will not move much from this frequency. Actually, 7.039 would probably be your best bet.

Exchange:

RST, first name, and QTH. Tuna Tin 2 Ops at Ft Tuthill will use FT as QTH. All others use two-letter State/Province abbreviation.

QSO points:

2 points per QSO with any station using FT as the QTH. One point for all other contacts.

Raw score is total QSO points.

Prizes will be awarded for the highest overall total score attained by a Tuna Tin 2 Operator at Ft. Tuthill, and for the highest overall score attained by a 'foreign' operator (not located at FT).

Logs:

Operators at Ft. Tuthill will submit their logs immediately on completion of the contest at the ScQRPions hamfest site. Other entrants must submit logs within one month after the sprint to to Bob Hightower NK7M. Logs must= clearly state rig used, and maximum power out.

Submit e-mail messages with attached logs in text format to nk7m@extremezone.com or snail mail to:

Bob Hightower
1905 N. Pennington Drive
Chandler, AZ=A0 85224-2632

Results will be posted to QRP-L as soon as possible after August 30, 2000.
Late entries (received after 8/30/2000) will not be considered.

Good luck to all, and let's try to make this a fun one. We probably won't do
this one again :^)

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

<http://www.extremezone.com/~nk7m>

Date: Wed, 26 Jul 2000 21:39:04 -0700
From: paul taylor <ptay1@miro.bestweb.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [75951] mfj1621
Message-ID: <3.0.32.20000726213903.006989cc@pop.bestweb.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does any one have any personal experience with the mfj 1621 portable antenna?

Date: Wed, 26 Jul 2000 21:00:25 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'NB6M@aol.com'" <NB6M@aol.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75952] RE: Toroid winding
Message-ID: <01BFF744.8637BDA0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Wayne said--

I'm not sure that it would work out well in this case, because it would reduce the level of coupling between the wires of the winding, and would change the impedance of the windings as well.

If I understand what I read in the handbook, hi, the wires are twisted together both to maximize the coupling between them and because wires twisted together in that fashion take on the characteristics of a transmission line, the impedance of which is determined by the number of twists per inch.

Perhaps one of the more knowledgeable people on the list could shed some light on that.

72

Wayne NB6M

I'm not knowledgeable, but you've raised an interesting topic for sure. In the old days, there was an rf choke in the Vcc (or B+) lead and it was easy to understand. Then suddenly these bifilar transformers are everywhere and those of us on the margin of technical competence were left scratching our heads and wondering how they work. And I'm wondering, is this "transmission line transformer" stuff for real or is someone pulling our leg.

I've diagrammed these crazy things out in various ways, partly to try to understand how they work and partly in an effort to make sure I get the polarities connected right. It looks like just using conventional transformer theory can show how the bifilar transformer would work independent of whether the winding is a constant impedance transmission line or not.

You can see a high-Z path preventing rf from sneaking out the Vcc line. Visualize either by seeing that the flux is additive along this route so inductance is maximized, or by seeing it as the two windings of a 1:1 transformer connected in series in a "bucking" configuration.

And you can see the low-Z path going to the load. Current from the source through the primary winding to the load induces an equal current in the other winding, also going to the load. These currents produce opposite fluxes in the core, so the effective inductance (and impedance) is zero.

All that is independent of whether the windings comprise a transmission line. But I'm sure the "transmission line thing" has value and I agree that the windings shouldn't be separated. I don't really have that much

practical experience and I asked the same question about my 2N2/40 on this list: "Do I really need all that many twists per inch?" because I was afraid of breaking or shorting the wires. The response I got was to not get carried away with exactly how many twists per inch you have. Just twist 'em; don't worry--be happy.

It's really interesting to hear about the poster's problems with shorted windings. Now I have something else to worry about! My 2N2/40's receiver still isn't up to par and the toroids are my #1 suspect.

72--Nick, WA5BDU
in Arkansas

Date: Wed, 26 Jul 2000 22:04:13 -0400
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@Lehigh.EDU>
Subject: [75953] SMiTe: N4ROA SMiTe Report:
Message-ID: <000201bff76e\$f69b4f60\$4b0d1bd0@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dan, N4ROA called this evening and asked me to post a short note on his behalf. Dan is experiencing server problems and has not had access to his internet accounts for several days.

I am to post that Dan made SMiTe contact with:

NV4V and AB4PP. Dan expressed his appologies and said that he will post specifics and other information when the server problems are solved.

Thanks for the bandwidth!
Best Regards to All,
Dennis Brickey/N4DD

Date: Wed, 26 Jul 2000 19:12:09 -0700 (PDT)
From: Tom Popovic <ki3r@yahoo.com>
To: rohre@arlut.utexas.edu, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75954] Re: Antennas for the vacation house by the beach
Message-ID: <20000727021209.9275.rocketmail@web221.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Just came back from Cape Hatteras where the family and I had a very enjoyable week. I have routinely operated QRP from the cape with my 509 using a 40 meter dipole made of # 16 insulated wire. I run one leg over the roof and droop the other leg over the deck. It works quite nicely. I also run 15 and 20 meter wires in the same manner. Quick and dirty ...but it does work. I am going to have to get a smaller rig as the old 509 isn't exactly space saving.

Even if the antenna isn't optimal .. the radio like the beer is better on vacation 73 God Bless Tom
KI3R Port Vue Pa.

=====

The common good was the claim and justification of every tyranny ever established over men. Every major horror of history was committed in the name of altruistic motive... Actors change, but the course of the tragedy remains the same. Ayn Rand 1943

Do You Yahoo!?

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<http://mail.yahoo.com/>

Date: Wed, 26 Jul 2000 22:23:59 EDT
From: K1vm@aol.com
To: qrp-l@lehigh.edu
Subject: [75955] SMK-1
Message-ID: <7b.761b410.26b0f73f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi

I completed the SMK-1 kit and connected it to a power supply. No smoke which is good and no receiver output, not so good. Come to find out , I connected the power cord in reverse polarity. I rectified the problem . What I get out of the receiver is a steady oscillation hum. TC1 and TC2 not responding . The transmitter has an output.
Any suggestions ?

73 George

Date: Wed, 26 Jul 2000 19:41:32 -0700
From: "Frederick R. Ramont" <frr1@mindspring.com>
To: qrp-1@Lehigh.EDU
Subject: [75956] DX-77 T/E
Message-ID: <397FA15C.E9D3F66A@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

New Alinco DX-77 T/E with internal keyer etc. \$500.00 Never used.

Fred

Date: Wed, 26 Jul 2000 22:42:03 -0500 (CDT)
From: "Mark A. Prather" <maprath@prairienet.org>
To: qrp-1@LeHigh.Edu
Subject: [75957] GAP Titan Questions....
Message-ID: <Pine.GS0.4.10.10007262240590.25169-1000000@bluestem>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been asked to assist a buddy install his new Gap Titan antenna. My only knowledge of this antenna is what I have seen in the ads. I would appreciate any comments that those of you with experience might pass along.

Here are some of the particulars of his installation as I know them:

- 1). Using an Alpha Delta tilt-over base. (ground mounted)
- 2). 6 foot of 1 3/8" O.D. Water pipe.
- 3). The Gap will be installed with the base at this 6 foot level.

According to what my buddy has said - the antenna apparently does not require any adjustment??? Is this correct???

Is this really strong enough to withstand Midwest winters without guying?

I'd appreciate any comments. Please respond directly.

Thanks!

73,

Mark

* Mark A. Prather - WB9HFK * maprath@prairienet.org *
* QRP-L # 1159 * QRP ARCI # 9472 * mprather@halcomm.com *
* Norcal # 2507 *

Date: Wed, 26 Jul 2000 21:02:10 -0700
From: neil <neil@aade.com>
To: maprath@prairienet.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75958] Re: GAP Titan Questions....
Message-ID: <397FB441.7A325CFB@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My neighbor and I both put up Gap Titans.
We had to make minor adjustments in the
positions of the small rods to achieve
best match according to MFJ-259 impedance
bridge.

--
Neil
<http://www.aade.com>
<mailto:neil@aade.com>
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Thu, 27 Jul 2000 00:31:14 EDT
From: GElam30092@aol.com
To: qrp-1@lehigh.edu
Subject: [75959] HOA's and antennas.....
Message-ID: <8.8458a69.26b11512@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Some of you might remember an article that I offered to the list regarding HOA, the FCC's position, antennas and restrictions. I sent that article to my HOA which was presented to the board along with a request to be able to set up a mast when operating. The actual meeting occurred when I was on vacation earlier this month.

About two weeks ago, there was a letter from the mgt. company. It stated that the board hadn't made a decision and wanted to see me at the next meeting which was July 26. Uh oh..... run around time so I thought.

So, on top of putting together the noise kits, getting ready for Tuthill, etc, I had a board meeting to attend.

Took my expandable mast and daughter to the meeting. My daughter, Robyn, said that she knew one of the men that was there. Seems that this guy and my daughter's mother went to high school together and this guy's wife is president of the HOA board. I could see that this was going to be good. Both of them commented on how good my daughter dances too. Yep... in the bag.

I was the first up. Showed them the mast, answered a couple of basic questions on its support (none), hours of operation (not a lot but when I feel like it), interference (none for the most part), etc. and a motion was made to approve it. It passed 5-0!!!!

So, I now have permission to put up a 33-ft. antenna when operating..... that's a good thing. No restrictions on time or power although they expect me to keep it around 5 W which I'll try to do as a good faith effort.

73's
Gerry Elam, K7LR0
PHX AZ

Date: Wed, 26 Jul 2000 23:28:59 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75960] FOBB - What bands?
Message-ID: <000701bff793\$f3b14f00\$43231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am tempted to start off on 40m cw, hoping to nab some West Coast Bumblebees; anyone else planning on 40m? If not, I may just fly right onto 20 meters...

73 John K7FD, BB 90, Ona Beach State Park, OREGON

Date: Thu, 27 Jul 2000 06:31:08 -0400
From: Jerry Albertin <kg2jf@juno.com>
To: qrp-1@lehigh.edu
Subject: [75961] FS: SWR/Power meters, Books
Message-ID: <20000727.063211.-39987.1.kg2jf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Found the following items that are surplus to my needs so I thought I'd offer them to the list.

SWR/Power/Field Strength Meter by Tenmax. Measures SWR 1:1 to 1:3; 0-10 and 0-100 Watts power; impedance is 52 ohms with a frequency range of 1.7 - 150 mhz. Also acts as a field strength meter. Excellent condition with instructions \$35 shipped con us

3-way tester by Micronta. Catalog number 21-526a. Originally sold as a CB tester but has a frequency range of 3-30 mhz. measures rf power 0-10 watts, SWR 1:1 to 1:3. Also measures modulation. Good condition with instructions \$20 shipped con us

Set of books (softcover)

Solid State Design published by ARRL
W1FB's QRP Notebook
Antenna Compendium Vol 4 with software

These are in good condition (complete no missing pages etc.) and would

like to sell these as a set \$25 shipped

Interested parties please contact me direct.....73 ...Jerry

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 27 Jul 2000 03:59:52 -0700

From: Radman <radman@best.com>

To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>

Subject: [75962] FS: OHR/etc update...

Message-ID: <01BFF77F.20364CC0@radman.vip.best.com>

Gang,

FS -- the following very nice items - reduced prices:

OHR-400 - Collector quality/condition. 4-band (80,40,30,20m) QRP transceiver. Meticulously assembled by me-self, aligned and tweaked by Dick at OHR. Full power+ on all bands, etc . No internal keyer. Includes original documentation. Shipped to you for \$219.00.

OHR-DD1 unbuilt kit. Digital readout & freq counter for OHR - 400 and many other rigs. Has programmable offsets/memories & will accommodate forward/reverse tuning - quite slick! New price: \$79.95 + shipping. I'll ship to you for \$61.00 with all documentation. As new.

OHR-Explorer-II 40m - SOLD!

"Art of Electronics" - by Paul Horowitz & Winfield Hill - SOLD!

Steve "smoke solder" Weber's LED keyer kit -- Original Version. - probably spoken for ;)

73,

Conrad Weiss - NN6CW

Date: Thu, 27 Jul 2000 04:18:30 -0700

From: Radman <radman@best.com>

To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [75963] FS: Weber 11-2-10 kit & CBs...
Message-ID: <01BFF781.DD113EC0@radman.vip.best.com>

Gang,

FS: surplus to my needs - CB to 10m conversion gear -- (reduced prices)

I have two FS deals:

- 1.) RS #21-1701 CB radio - as new in the box - with the RS *factory service manual* included. Also includes user's manual, mic, mobile mount bracket, original packaging - complete! \$63 invested. Will sell for \$33 shipped US Priority... as new!
- 2.) Maxon MCB-30 CB radio -- as new in the box - includes user's manual, mic, mobile mount bracket, original packaging - complete! AND... a complete 11-2-10 Steve Weber conversion kit with documentation & all the parts. This kit will require that you solder in the SMT PLL chip. I would rate the kit as Intermediate skill to above. Fun kit for those seeking adventure!

I'll ship to you for \$49 via US Priority.

73,

Conrad Weiss - NN6CW

Date: Thu, 27 Jul 2000 07:15:00 -0400
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <maprath@prairienet.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75964] Re: GAP Titan Questions....
Message-ID: <00c001bffa7bb\$e8c2f8a0\$3a10a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Mark A. Prather" <maprath@prairienet.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, July 26, 2000 11:42 PM

Subject: GAP Titan Questions....

>
>
> I have been asked to assist a buddy install his new Gap Titan antenna. My
> only knowledge of this antenna is what I have seen in the ads. I would
> appreciate any comments that those of you with experience might pass
> along.
> Here are some of the particulars of his installation as I know them:
>
> 1). Using an Alpha Delta tilt-over base. (ground mounted)
> 2). 6 foot of 1 3/8" O.D. Water pipe.
> 3). The Gap will be installed with the base at this 6 foot level.
>
> According to what my buddy has said - the antenna apparently does not
> require
> any adjustment??? Is this correct???

>
> Is this really strong enough to withstand Midwest winters without guying?
>
> I'd appreciate any comments. Please respond directly.
>
> Thanks!

>
> 73,
>
> Mark

Hi Mark,
Should only need minor adjustments , but I would consider guying it if you
have winds consistantly above say 50 MPH or So. I used heave duty Mono
Filament line here on a vertical works great and non conducting.. by the
heaviest test stuff you can find and it comes in a variety of bright
colors.. warning if you use the clear stuff, you must make it visable up to
6foot level or so to warn people it's there.
Happy hamming,
Dave

Date: Thu, 27 Jul 2000 06:54:49 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [75965] More Clandestine Signals ?

Message-ID: <20000727.071758.-254329.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Someone mentioned (here on qrp-l)
the ditter went QSY to 14.022 . . .

Did anyone else listen to 20 m AM Grayline
this morning (~~ 0915 - 1015Z / US east coast)?

Where was most of the CW activity today (7 - 27) ?
You guessed it . . .
NOT 14.026 (like yesterday (7 -26)) . . .
BUT 14.022 . . .

John
N3AAZ
FM19xa

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<http://dl.www.juno.com/get/tagj>.

Date: Thu, 27 Jul 2000 06:29:46 -0500
From: "Mike Mellinger WA0SXV" <wa0sxv@mellinger.com>
To: <qrp-l@lehigh.edu>
Subject: [75966] Re: GAP Titan Questions....
Message-ID: <013201bff7bd\$f7c1dc20\$017c9396@dra.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Gap Titan has a lot of surface area and while it has survived (after
some rebuilding) in mountain winds in New Mexico for a year now,
I wouldn't mount it 6 feet above ground without guying.

The antenna has (despite being "no-tune") the ability to be adjusted for
every band except 30m. The 80m adjustment is by changing a capacitor
at the top of the antenna. The others are various wires and rod length
changes. Some details are at <http://www.mellinger.com/wa0sxv/titandx.html>.

73,
Mike WA0SXV

From: "Mark A. Prather" <maprath@prairienet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, July 26, 2000 22:42
Subject: GAP Titan Questions....

-

>
>
>

Date: Thu, 27 Jul 2000 05:14:56 -0700
From: Radman <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [75967] FS: HW-7 & "twoer"...
Message-ID: <01BFF789.9E5F7720@radman.vip.best.com>

Gang,

FS: Heath HW-7. 40,20,15m QRP transceiver. About a 6-7 on the 10-scale. Electro-mechanically *very* sound - air variables/dial/switches are near-perfect. SO-239 mod - no other apparent mods. Case & front panel are decent - a few chips & needs cleaning. Powers-up but needs to be gone thru & aligned. Comes with a new pair of finals <wow!> and copy of HW-7 Heath manual. Shipped US Priority for \$75.

FS: Heath Twoer. 2m AM (QRP) tube transceiver. Clean!! -- about a 9 out of 10! Very cool bookend or AM rig. It does not have any documentation, cord or mic... but it works!! \$24 shipped US Priority.

73,

Conrad Weiss - NN6CW

Date: Thu, 27 Jul 2000 06:26:51 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75968] Ft. Tuthill Portable
Message-ID: <3980389B.D475ECA@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,

This weekend, I plan to be operating portable-7 from Ft. Tuthill. I'll be hanging out on or near the QRP calling frequencies with my K2.

'73, Thomas - AC7A/7 (Flagstaff by tonight or tomorrow)

Date: Thu, 27 Jul 2000 08:07:45 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [75969] Ft. Ttuhill Here We Come!
Message-ID: <B5A59E51.1D94%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I am in the process of packing the car for Tuthill. We will leave about noon and arrive over there in the late afternoon. I am looking forward to this so much. See you all t here!! - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Thu, 27 Jul 2000 10:09:52 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [75970] Bumblebee propagation
Message-ID: <98.81a0729.26b19cb0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

According to the propagation charts at ARRL
<http://www.arrl.org/qst/propcharts/2000/08/west.pdf>
if you plan to work 40M it appears that the first hour offers your best chances for 1700-2100z with maybe some in the last hour. 20M and 15M seemed to be the best with 10M probably more for locals during that time period. If I am mis-reading the charts I am sure some one will graciously correct me (smile)
alan KB7MBI

Date: Thu, 27 Jul 2000 10:31:59 EDT
From: NB6M@aol.com
To: K1vm@aol.com

Cc: qrp-1@lehigh.edu
Subject: [75971] Re: SMK-1
Message-ID: <73.5794a9f.26b1a1df@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Perhaps one of the first things you could do to narrow it down would be to listen for the receiver L0 in another rig. Also, touching a finger to the top of C-10 should produce a buzz in the earphone.

I have some voltage readings that I will dig out and forward to you, but start with that.

72

Wayne NB6M

Date: Thu, 27 Jul 2000 10:33:32 EDT
From: NB6M@aol.com
To: K1vm@aol.com
Cc: qrp-1@lehigh.edu
Subject: [75972] Re: SMK-1
Message-ID: <90.7aa081e.26b1a23c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Forgot to mention also, that when I have my receiver tune pot turned all the way to the right, the receiver L0 drops out of oscillation, so try listening for the L0 with the pot all the way left.

72

Wayne NB6M

Date: Thu, 27 Jul 2000 10:40:34 -0400
From: Ken Newman <N2CQ@citnet.com>
To: QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [75973] CONTEST: QRP Contesting - July 29/30
Message-ID: <3.0.6.32.20000727104034.007d7e20@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~  
QRP CONTEST CALENDAR

July 29/30, 2000  
~~~~~

THE GREAT FT TUTHILL TUNA TIN 2 SPRINT (CW) ... QRP Contest!

Jul 29 - 2000z to 2400z

Rules: QRP-L of July 15, 2000 or contact nk7m@extremezone.com
~~~~~

Flight of the Bumblebees (CW) ... QRP Contest!

Jul 30 - 1700z to 2100z

Rules: [http://www.natworld.com/ars/pages/bumblebees/bb\\_rules.html](http://www.natworld.com/ars/pages/bumblebees/bb_rules.html)  
~~~~~

72 de

Ken Newman - N2CQ

Woodbury, NJ

N2CQ@ARRL.NET

== QRP CONTEST CALENDAR ==

<http://www.njqrp.org/data/contesting.html>

Date: Thu, 27 Jul 2000 11:32:41 -0400

From: "Caitlyn M. Martin" <caitlyn@netferrets.net>

To: qrp-l@LEHIGH.edu

Subject: [75974] Wrong e-mail address in number list

Message-ID: <00072711353108.00764@caitlyn.netferrets.net>

Content-Type: text/plain

MIME-Version: 1.0

Content-Transfer-Encoding: 8bit

Hi,

I'm sorry for the bandwidth and the extra message posted to the list, but I've gone through the QRP-L commands and I don't see how to do this. If I look at the list of QRP-L numbers, my callsign is correct, but my e-mail

address is *ancient*. I'm subscribed with the correct address; it's just the list that's wrong. How do I update this?

Thanks,
Caity
KU4QD

--

Caitlyn M ire Martin, ars KU4QD
caitlyn@netferrets.net
<http://www.caitys-world.com>
<http://www.caitys-world.com/KU4QD.html>

Date: Thu, 27 Jul 2000 11:33:14 -0400
From: "steve" <sblary@bellsouth.net>
To: <wa0sxv@mellinger.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [75975] RE: GAP Titan Questions....
Message-ID: <001201bff7df\$fb3d9cf0\$7464a8c0@AREA51>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

if any one has some links for tilt mounts that would fit gap antennas besides the one at Gap's web page I would appriecate the info. Homebrew designs would be best :)! Tried finding the alpha delta mount on the web but no luck yet google is next.

thanks
Steve kd4liv

Date: Thu, 27 Jul 2000 08:42:02 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [75976] Re: FOBB - What bands?
Message-ID: <006c01bff7e1\$35ca0ec0\$def0fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John

I expect to operate just 20m and 15m.

40m during the day hasn't produced many contacts here on the left coast in past contests.

Also, the rules only allow one point for 40m contacts but 2 points on 20m and up.

Hope hear you.

73, Bob N6WG

Date: 25 Jul 2000 11:35:58 -0400

From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>

To: hhurst@delanet.com

Cc: qrp-l;;

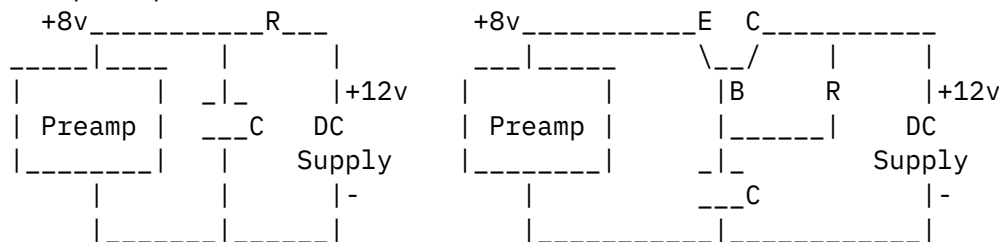
Subject: [75977] Re: HB: filter caps & decoupling & wattmeters

Message-ID: <2000Jul25.113558-0400@[130.113.234.7]>

Harry,

This circuit uses transistor CURRENT GAIN (HFE) to allow you to choose filter capacitors that are small and cheap.

First, imagine the filter without the transistor. It becomes a simple resistor-capacitor low pass filter. Any noise coming in from the power supply is suppressed, and doesn't get through to the preamp.



The main design constraint is:

-how much DC current does the preamp draw?

This sets the value of the series resistor...if you make it too large, a lotta DC voltage drops across this resistor, and your preamp may starve from too-low supply voltage. On the other hand, you want a large-value resistor here for better AC filtering. A large resistor gives a lower cutoff frequency for the low-pass filter.

Then you choose a filter capacitor large enough to attenuate the frequency of the main noise component you expect.

Let's do an example (circuit on left):

Say your preamp draws 2mA DC current, and requires a 8v minimum supply voltage. You have 12v available, but its noisy, having some 120 Hz. hum that gets added to the preamp signal.

The series resistor drops 12v - 8v = 4v. It must carry 2mA, so its

maximum value is 4/2 Kilohms, or 2K.

We may desire that the 120Hz hum be suppressed by a factor of 100.

This means that capacitive reactance must be 100 times less than

2K @ 120Hz. This gives capacitive reactance of 20 ohms.

At 120 Hz, the capacitor value is $1/(2\pi \times 120 \times 20) = 66\mu\text{F}$. You'd choose 100uF standard value.

This is a big capacitor, and costs a bit.

Now let's use a transistor (circuit on right). We'll use a very similar low-pass filter on the BASE of the transistor. Here, the current is much smaller, because the preamp draws current from the emitter/collector. The base sees a current HFE times smaller. So if the 2N2222A transistor has HFE of 120, base current is now $2\text{mA}/120 = 16.7\text{ uA}$.

Now the base resistor is much larger - but we must include the fact that the transistor requires 0.6 volts base-emitter voltage drop to work. So the resistor calculation goes like this:

$R = (12 - 8 - 0.6)/(16.7 \times 10^{-6}) = 203.6\text{K ohm}$

We could use a standard value of 180K

The capacitor value is now much smaller. For the same factor-of-100 filtering, the required capacitor is:

$100/(2\pi \times 120 \times 180\text{K}) = .737\mu\text{F}$

A small 1uF filter cap would do nicely. The extra cost of the transistor (about 10 cents) is more than made up by the cost difference between the 1uF capacitor and 100uf capacitor.

And although there are more parts, they take up less space.

In <000801bfff6f6\$06477fc0\$8f50e2d8@upstairs>, Harry Hurst wrote:

>I tried the capacitor multiplier circuit you described above.
>I tied a 2-stage low-level preamp to a speaker amp module built from Fig.
>2-4 in W1FB's Design Notebook. Previously, this combination howled and
>squealed, even with the usual cap-resistor decoupler. When I added the
>capacitor multiplier circuit to the preamp, it became quiet and stable. I
>used a PN2222A, a 12K resistor and a 10 uf cap in the circuit. I chose the
>transistor because I have more than a lifetime supply of them. The resistor
>was selected because it was half-way between the two values you suggested.
>The only problem I have now is that I want to know how the circuit works,
>and how to design one. Anytime you can solve a problem with ten cents worth
>of parts, it's great. Thanks again Dan.

Date: Thu, 27 Jul 2000 08:45:38 -0700 (PDT)

From: Jeremy Cooper <jeremy@baymoo.org>

To: qrp-l@lehigh.edu

Subject: [75978] Conductive Epoxy Suppliers

Message-ID: <Pine.BSF.4.21.0007270837020.10808-1000000@simon.baymoo.org>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

When I wrote yesterday's message about amorphous solar cells, several people wrote back and asked for sources of conductive epoxy.

The brand I used on my panels is called 'CircuitWorks' and is made by a company called Chemtronics (www.chemtronics.com). Check under 'CircuitWorks Prototype/Repair tools'. I use it just because it happened to be in the surplus store that I visit a lot.

I have also heard that 3M makes conductive epoxy. I looked at their website yesterday to get more details. So far, it looks like their 'Scotch-Weld' product is a conductive epoxy. However, they call it 'electronic grade epoxy' and make no use of the word 'conduct' anywhere in their literature. So I'm not as confident in it as I am about the CircuitWorks epoxy.

Jeremy
KE6JJJ

Date: Thu, 27 Jul 2000 10:01:51 -0600
From: Andrew Madsen <andrew@utahdesign.com>
To: qrp-1@Lehigh.EDU
Subject: [75979] Re: FOBB - What bands?
Message-ID: <39805CEF.443627B5@utahdesign.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=koi8-r
Content-Transfer-Encoding: 7bit

It looks like I will be restricted to 20 meters. Hope to work you there!

--
72,
Andrew Madsen AC7CF
ac7cf@qsl.net
<http://www.qsl.net/ac7cf>
FISTS nr. 7439 | QRP-L nr. 2180
FPQRP_71 | A.R.S nr. 738
SOC #376 | UARC member | ARRL member
Norcal member | NOGAQRP member

Date: Thu, 27 Jul 2000 12:00:42 EDT
From: ARDUJENSKI@aol.com
To: sblary@bellsouth.net, qrp-1@lehigh.edu
Subject: [75980] Re: GAP Titan Questions....
Message-ID: <29.82424be.26b1b6aa@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

STEVE

An inexpensive but stout tilt base is a pair of treated 4x4's spaced just a little wider than the 1 inch steel pipe, cemented into the ground at a depth of 3 ft with 3 ft exposed. Install a piece of 2x4 treated across the top between the two as a stop for the mast. Drill two holes, one at a foot above the ground and the other about 6 inches from the top thru the 4x4's. These are for the pivot and locking bolts/pins. (using 1/2 inch bolts and the top one the locking pin use a wing nut). You drill the same matching holes thru the mast pipe. It is similar to the GAP but only \$20 and stiffer

Alternatively look in Moxon's book HF ANTENNAS FOR ALL LOCATIONS on pages 296-299 for various mast ideas too.

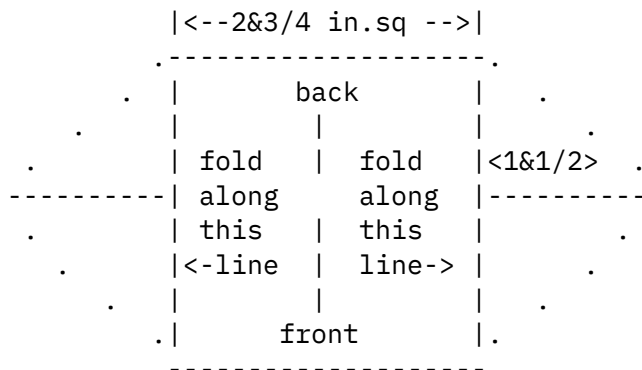
Alan KB7MBI

Date: Thu, 27 Jul 2000 10:25:27 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [75981] SD-1 - a simple project -
Message-ID: <Pine.LNX.3.95.1000727095717.25337B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been working on my design for what I'm calling the SD-1 (Sound Deflector-1) for the little speakers on my qrp rigs...after some sketching, measuring and "tossing the idea around" I made a prototype out of heavy bristol board....it folds down flat when not in use...I used velcro for the "hinges" and to hold it down in the closed position....there's nothing "new" here but the simplicity and "no cost" of this project appealed to me and above all IT WORKS!

I will try to give you a diagram here along with measurements so that if you are interested you might want to make one out of the same material or

another material and see how it sounds?...so here it is...have fun!



...so the central "body" is 2&3/4 inches square and the 2 triangular "flaps" on either side of the "body", go out a distance of 1&1/2 inches... the prototype uses velcro hinges...1 larger or 2 small ones at the BACK to attach the SD-1 to the rig chassis top...

....when not in use, the 2 flaps fold in under the top piece of the SD-1 so the unit is almost flat...there is a small piece of velcro where the word "front" is to hold the folded down SD-1 to the chassis top, covering the speaker, which is mounted inside the chassis top facing upwards...

...to use the SD-1, just pull the device upwards at the front which "unsticks" the velcro at the front; the 2 flaps drop down and rest upon the top of the chassis exposing the speaker holes....the SD-1 is now ready to deflect the audio towards the operator....

....I showed the prototype to everyone at the QRP Get-together and it evoked a chuckle from the assembled qrpers...HI HI...gosh, now that I think of it, I don't know if that "chuckle" meant approval or not?... HAR!... hmmm.....maybe I should have powered the SW-30 up and demoed it?.....at any rate, I proved that my simple mind can produce a simple device eh!?!?.....HAR!.....but it DOES work!..... ;-))

.....72 - Bruce (VE5RC+VE5QRP)

Date: Thu, 27 Jul 2000 09:34:48 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: wb8rcr@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [75982] Re: QRP-L
Message-ID: <398064A8.E40F4D1A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"John J. McDonough" wrote:

> If
> all you have is email, send mail to listserv@Lehigh.EDU with the body
>
> SET QRP-L MAIL POSTPONE
>

listserv@lehigh.edu or listproc@lehigh.edu?

I've been using the latter successfully, but maybe both work.

Phil

Date: 27 Jul 00 12:41:27 EST
From: M Goins <mgoins@usa.net>
To: qrp-l@LeHigh.EDU
Subject: [75983] Update - FS long
Message-ID: <20000727174127.25046.qmail@aw161.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Update on the for sale list. Still have the following:

1. Kenwood TS-140 - includes original MS-43 up/down mike, original mobile =

mount, dual fused power cord, factory manual. Full QSK or semi, 31 =

memories, digital readout. General coverage receiver tunes 50kHz to 35 =
=

MHz. About an 8 on a 1-10 scale, primarily due to some paint wear around =
the

mike and rf gain slide switches (from use) and some scratches and min=
or

scuffing. Looks and works good. \$450.00 CONUS

=

2. U.S. Tower, 55', crank-up, tiltover, with base mount for rotor. This is the deluxe model that tilts and cranks up. Rotor mounts at ground level. Complete. Needs new cable. Cost new is nearly 2K. \$700.00. This is the one that looks like a commercial flagpole and it is COMPLETELY SELF-SUPPORTING
- NO GUYS. Pick up Houston area only.

3. MFJ Artificial round (MFJ 931) - Looks new. \$50.00 CONUS

4. LDG Digital SWR/Wattmeter - outstanding digital wattmeter, as new, =

built by professional electrical engineer. Includes couplers for HF, 6 =
meters, 2 meters, and 70 CM. Power rating is 150 watts - accurate to =
1
watt or less. Cost \$175 in kit form with 4 modules. See at their site
www.ldgelectronics.com \$130.00 CONUS

5. Radio Shack HTX-100 - Excellent condition, like new. SSB and CW at 25 =

watts. Never been mobile. \$100.00 CONUS

Please contact me off list at mgoins@usa.net if there are any questions. =

All gear is simply surplus to my current needs. Thanks again for the bandwidth.

mike
wb5yjx
SOC 54

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Thu, 27 Jul 2000 10:13:21 -0700
From: Paul Erickson <paule@sfu.ca>
To: cqdx@teleport.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75984] Re: FOBB - What bands?

Message-ID: <39806DB1.87EA8AFA@sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

K7FD-N7SG wrote:

>
> I am tempted to start off on 40m cw, hoping to nab some West Coast
> Bumblebees; anyone else planning on 40m? If not, I may just fly right onto
> 20 meters...
>
> 73 John K7FD, BB 90, Ona Beach State Park, OREGON
Hi John,

Will look for you in the first 10 minutes, otherwise, see you on
the higher bands.

Will be BB #3

--

cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

"Those who hear not the music, think the dancers mad..."

Date: Thu, 27 Jul 2000 12:40:30 -0700
From: "Damon S Raphael, MD (w7md)" <w7md@azstarnet.com>
To: qrp-l@lehigh.edu
Subject: [75985] Vertical Learnings
Message-ID: <3980902E.467006B2@azstarnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://pages.prodigy.net/k2kw/learning.html>

Here is a link for useful information regarding seaside antennas. I
heard the memorable presentation of this world record scoring Jamaican
DX-Contest Expedition of 6Y4A when I attended the International DX
Convention at Fresno, CA a few years ago.

They used 1/4 wave parasitic vertical yagis with a simple radial
system. If my memory serves me correctly, the radial system was a
triangle of flex weave wire which was elevated above the beach with the
apex of the triangle connected to the base of the antenna and the 2
lower angles moved around to get a good impedance match. With the high

power amps that they were using, the high voltages at the radial ends (lower angles) were shooting flashes of corona which were impressive to watch at night.

I am off to Ft Tuthill.

73,

Damon W7MD

Tucson, AZ

Date: Thu, 27 Jul 2000 15:43:56 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Paul Erickson <paule@sfu.ca>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75986] Re: FOBB - What bands?
Message-ID: <Pine.3.89.10007271544.A26300-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 27 Jul 2000, Paul Erickson wrote:

>
> K7FD-N7SG wrote:
> >
> > I am tempted to start off on 40m cw, hoping to nab some West Coast
> > Bumblebees; anyone else planning on 40m? If not, I may just fly right onto
> > 20 meters...
> >
> > 73 John K7FD, BB 90, Ona Beach State Park, OREGON
> Hi John,
>
> Will look for you in the first 10 minutes, otherwise, see you on
> the higher bands.
>

Best strategy with QRP is to go with the highest band that's open and work your way down. In this sprint, even more advantageous since 10/15/20 Q's count double... I'll be checking 10M first, then 15 & 20...
Bee #74, FL Keys (Had to cancel vacation to P.E.I. due to bad back)

73,

Bob Patten, N4BP

, ' ' ' ,

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://www.qsl.net/n4bp>
Brass Pounder BBS: (954) 472-7715
SOC #1Whiners #6

Date: Thu, 27 Jul 2000 12:01:17 -0700
From: Paul Erickson <paule@sfu.ca>
To: n4bp@bc.seflin.org, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [75987] Re: FOBB - What bands?
Message-ID: <398086FD.830CAE56@sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Patten wrote:

>
> On Thu, 27 Jul 2000, Paul Erickson wrote:
> >
> > K7FD-N7SG wrote:
> > >
> > > I am tempted to start off on 40m cw, hoping to nab some West Coast
> > > Bumblebees; anyone else planning on 40m? If not, I may just fly right onto
> > > 20 meters...
> > >
> > > 73 John K7FD, BB 90, Ona Beach State Park, OREGON
> > Hi John,
> >
> > Will look for you in the first 10 minutes, otherwise, see you on
> > the higher bands.
> >
> Best strategy with QRP is to go with the highest band that's open and
> work your way down. In this sprint, even more advantageous since
> 10/15/20 Q's count double... I'll be checking 10M first, then 15 & 20...
> Bee #74, FL Keys (Had to cancel vacation to P.E.I. due to bad back)

>
> 73,
>
> ' ' ' '
> Bob Patten, N4BP (0 0) Plantation, FL
> o00o-()-o00o

>
> E-Mail: n4bp@bc.seflin.org
> Web Page: <http://www.qsl.net/n4bp>
> Brass Pounder BBS: (954) 472-7715
> SOC #1 Whiners #6

Hi Bob,

I agree, however, in this case, I will be running S02R, so one of my rigs will be on 40 for the first few minutes to try and catch a mult or two. See you on 20/15/10.

--

cheers, Paul - VA7NT (ex VE7CQK) - email: paule@sfu.ca

"Those who hear not the music, think the dancers mad..."

Date: Thu, 27 Jul 2000 13:23:14 -0700
From: Mike Parkes <mike.parkes@westcoasthotels.com>
To: qrp-l@Lehigh.EDU
Subject: [75988] Ideas for portable backpacking masts?
Message-ID: <s98037ce.038@g-b.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

I would like to build some sort of portable mast support for QRP work while backpacking that would extend maybe 25-30 ft to the top. Needs to be lightweight.

It is sometimes hard to get a wire antenna up in a tree and have wondered if there might be a way to build a mast from which one could hang one end of a half-wave wire for say 30-40 meters or use it as the center support for a dipole. I read an article on the North Georgia QRP club's site about using "SLA" poles (from fishing supply stores?) that collapse down and aren't too heavy. Maybe some of the group here has some other ideas also?

Thanks! Mike AB7RU

Date: Thu, 27 Jul 2000 16:22:12 -0400
From: "David Maliniak" <dmaliniak@verticalnet.com>
To: <qrp-l@lehigh.edu>
Subject: [75989] FS: NC20
Message-ID: <003d01bfff808\$5a164920\$1c01a8c0@vertical.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry if this is a dupe...

For sale: NorCal 20 transceiver. Works FB. 10-turn pot installed.

Asking \$90 shipped.

72,
David N2SMH
Glen Rock, NJ

Date: Thu, 27 Jul 2000 13:45:20 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: mike.parkes@westcoasthotels.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75990] Re: Ideas for portable backpacking masts?
Message-ID: <39809F60.10DF5CD5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike Parkes wrote:

>
> I would like to build some sort of portable mast support for QRP work while
backpacking that would extend maybe 25-30 ft to the top. Needs to be lightweight.
>
> It is sometimes hard to get a wire antenna up in a tree and have wondered if
there might be a way to build a mast from which one could hang one end of a half-
wave wire for say 30-40 meters or use it as the center support for a dipole. I
read an article on the North Georgia QRP club's site about using "SLA" poles (from
fishing supply stores?) that collapse down and aren't too heavy. Maybe some of the
group here has some other ideas also?
>

The fishing pole mast is only abt 20 ft, as I recall.

There is a 30 ft (or ten meter?) mast made by DK9SQ and sold by Kanga.
Fiberglass and well built. But it might be heavier than you would want
to backpack with, depending on your "zeal".

Generally, HF radios (and the not insignificant batteries) are the first
things that come out of my pack just before leaving!

Phil

Date: Thu, 27 Jul 2000 17:12:22 EDT

From: N10DL@aol.com
To: qrp-1@lehigh.edu
Subject: [75991] RE: Backpacking antennas
Message-ID: <33.80149cd.26b1ffb6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Just watched a movie the other night on TV which took place in the Korean war and it showed the mobile command post in a jeep. The antenna was a flat wire which was about 20-30 feet long from what I could tell. There must be somewhere that we could look for old military parts like this. Looks like it would roll up quite nicely into a backpack.

Aron
N10DL
Bedford, NH

Date: Thu, 27 Jul 2000 15:00:59 -0700
From: Radman <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [75992] FS: update/watts left...
Message-ID: <01BFF7DB.7DDB8460@radman.vip.best.com>

Gang,

Watt a response to my FS posts thanks! :)

Of all that I listed FS, here's all I have left:

- 1.) OHR DD-1 new kit (unbuilt) with documentation -- \$61 shipped.
- 2.) Heath HW-7 transceiver -- \$75 with docs -- \$75 shipped.
- 3.) 2- new CB radios suitable for the "11-2-10 Weber kit" - see prior post for \$\$ etc.
- 4.) 1- Steve 'melt solder' "11-2-10" kit (unbuilt.) - see prior post for \$\$ etc.

73,

Conrad Weiss - NN6CW

Date: Fri, 28 Jul 2000 07:57:36 +1000
From: "Glen Torr" <glentorr@ozemail.com.au>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [75993] SW-40 to SW-80 Conversion

Message-ID: <009d01bff815\$aeda3180\$44c06ccb@hugo>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang,

I enjoy all your input on matters technical and was wondering if you could give me your thoughts on two aspects of the above. I have built a SW-40 from Small Wonder (my 4 th SW kit and I love them all) and I am trying to build an 80 Meter version of the SW-40 from QRP Power as an educational exercise, the new rig works fine however I would like to make a couple of mods and I seek your thoughts :-

I have chosen an 8 Mhz IF and used component values from the SW-30 in QRP Power. The TX band pass filter however at 80 Meters is quite narrow (20 Khz) and I was wondering if it could be swapped for a Low Pass Filter with a 3.8 Mhz cut off without degrading output quality too much.

The second mod I wish to make is to increase output power to a solid 5W as the main purpose of this rig is code speed increase in skeds with Alex VK2KET, I have the QRPP with Gary Surrency's article and will try this approach, anyone have any experience with this mod or other approaches such as multiple 2N2222's etc.

Thank you for your input,

Cheers

Glen Torr VK1FB

Date: Thu, 27 Jul 2000 18:11:42 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@lehigh.EDU>
Subject: [75994] Tunnel Diodes WTB
Message-ID: <3.0.32.20000727181139.00b725e8@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Gangue,
I'd like to experiment with tunnel diodes but guess these were bypassed in the techno explosion.

Source????

73 Pete NV4V

Date: Thu, 27 Jul 2000 18:18:38 EDT
From: K1JD@aol.com
To: w7ox@earthlink.net, qrp-l@lehigh.edu
Subject: [75995] Re: Ideas for portable backpacking masts?
Message-ID: <b4.89681f2.26b20f3e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

There is a 30 ft (or ten meter?) mast made by DK9SQ and sold by Kanga.
Fiberglass and well built. But it might be heavier than you would want
to backpack with, depending on your "zeal"

Coincidentally, my new SQ mast just arrived today. Agree it would be tough to
haul for any significant distance on foot, especially in addition to a normal
pack. Its forte is more FD, vacation/weekend portable, Lighthouse/Lightship
weekends, etc.

73,
John K1JD (K1T for both Lighthouse/Lightship weekends)
Jamestown, RI
<http://hometown.aol.com/k1jd/index.html>
K2's #139 & 583 (& #917 & #948)

Date: Thu, 27 Jul 2000 18:27:52 EDT
From: K4NK@aol.com
To: qrp-l@lehigh.edu
Subject: [75996] F.S. Nicad batteries
Message-ID: <be.730bc12.26b21168@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello QRPers;

I have 16 motorola HNN9027 11.25 volt nicad batteries. I have in the past
used these on a number of QRP rigs. I have also torn them apart and built
some differant batteries. These are fairly small and designed for the little
p-50 motorola handheld. These are all pulls and are as is but I have had good
luck with them. I will sell them for \$1.00 each plus a dollar for shipping.
Buy one and play with it , might be just the battery you are looking for.

Date: Fri, 28 Jul 2000 11:11:11 -0500
From: "Richard McGaver" <mcgaver@execpc.com>
To: <russ@natworld.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [75997] Re: Updated BEE ROSTER
Message-ID: <016301bff8ae\$74013f60\$1b82cfa9@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

NK9G/9 QRP Mobile from Minneapolis MN to Milwaukee

Bumble Bee #76 We'll bee looking for YOU
72 Good Luck

Rick NK9G

-----Original Message-----

From: Russ Carpenter <russ@natworld.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, July 26, 2000 1:34 PM
Subject: Updated BEE ROSTER

>Here is the latest roster of the Year 2000 Bumblebees. This remarkable
event

>will take place on Sunday, July 27. Don't miss it!

>

>See The ARS Sojourner for details. <http://www.natworld.com/ars>

>

>Call Name # Location

>

>AA1MY	Seab	71	Mt. Beacon, NY
>AA4XX	Paul	84	Cape Lookout Nat Seashore, NC
>AA7LE	Bary	25	Coast Range, OR
>AA7QU	Russ	31	Cascade Mountains, OR
>AA8IV	Richard	98	Near Findlay, OH
>AA8PJ	Jeff	42	Tuscarawas Valley, OH
>AC5K	Wes	32	Lake near Lumberton, TX
>AC6KW	Jeff	14	Forest of Nisene Marks, CA
>AC7CF	Andrew	88	Milcreek Canyon, UT
>AD4MZ	Bob	28	Rutherfordton, NC
>AE4GX	Sam	60	
>AE5X	John	23	Appalachian Trail, CT
>AG5P	Walter	18	Cuiver River State Park, MO

>AK7Y	Greg	22	Noble Mountain, AZ
>GW3CWI	Richard	91	Snowdonia National Park, Wales
>K0EVZ	Doc	29	Ft. Lincoln, ND
>K1LGQ	Dennis	54	Central New Hampshire
>K1QM	Joel	89	In the trees near Concord, MA
>K1VP	Ed	67	
>K1WX	Don	92	Wapack Trail, NH
>K2Q0	Mark	58	Park near Buffalo, NY
>K5HWT	Morgan	43	Big Bend National Park
>K5RAC	Joe	4	Red Kane Park, Arlington, TX
>K7FD	John	90	Mary's Peak, OR
>K7KBD	Jim	44	Madison Country, MT
>K7SZ	Rich	85	Sweet Valley, MT
>K7TQ	Randy	17	In the mountains of Idaho
>K7UD	Dee	27	Grand Canyon National Park, AZ
>K9YT	San	77	Park near Madison, WI
>KA2BEO	Rob	39	Lakewood, NJ
>KB0VCC	Dale	45	Pequawket Fire Tower
>KB9UUY	Mark	87	Skokie River Valley, IL
>KD1JV	Steve	100	Mt Randolph, NH
>KD3FG	Jon	51	
>KF4AR	Rick	57	Kings Mtn. Nat Military Park, NC
>KF4UCH	Greg	37	Sierra Buttes, CA
>KG0MZ	Scott	99	Scott Lake, KS
>KG9NF	Mev	59	Devil's Lake State Park, WI
>KI0II	Ron	47	Lake Mc Conaughy, NE
>KI6SN	Richard	24	Box Springs Mountain, CA
>KL7H/C6A	Bruce	101	Lumber Cay, Bahams
>K04WX	Mike	82	
>KQ6DV	Tom	34	Forest of Nisene Marks, CA
>KQ6NO	Rick	20	
>KT3A	Cameron	40	York County Park, PA
>N0IBT	Dave	69	Boulder Mountain Parks, CO
>N0RC	Rod	63	Horsetooth Mt. Park, CO
>N0SXX	Gary	10	Black Hills, SD
>N0TU	Steve	35	Mt Herman, CO
>N0UR	Jim	33	Near Brooklyn Park, MN
>N2CQ	Ken	5	Hopewell Lake, PA
>N2SMH	David	49	Round Valley Reservoir, MJ
>N2TO	Kevin	81	
>N2WG	Bill	94	On a beach near Wilmington, NC
>N3IK	Ike	41	Lehigh Gap State Park, PA
>N4BP	Bob	74	In VY2 land
>N4DD	Dennis	12	Chestnut Ridge
>N4ROA	Dan	64	Clinch Mtn, VA
>N5IW	Dave	65	Cedar Breaks Park, TX
>N6GA	Cam	1	San Gabriel Mountains, CA
>N6MM	Harvey	73	Mt. Pinos, CA

>N6WG	Bob	9	Chabot Park, CA
>N7CEE	Bruce	15	Schultz Peak, AZ
>N7CQR	Dan	19	Cascade Mountains, OR
>N7MFB	Bill	16	Pioneer Park, WA
>N7RVD	Brian	79	Finn Hill, WA
>N7SR	Steve	86	Regional Park, MN
>N7XJ	Bob	7	Big Baldy Mt, UT
>N8ET	Bill	70	Near Findlay, OH
>N9AW	Jerry	68	Plymouth Rock, WI
>NK9G	Rick	76	
>NM5M	Eric	96	Glen Arbor Preserve, TX
>NR0NR	Gene	83	Ringarogy Island, Ireland
>VA7NT	Paul	3	Riverside Park, BC
>VE3ELA	Ken	13	Southern Georgian Bay, ON
>VE3GY	Peter	53	Lac St. Jean, Quebec
>VE3JC	John	36	
>VE3TEQ	Armin	56	An island in Georgian Bay
>VE3VX0	Joe	50	Crosshill, ONT
>VE5RC	Bruce	66	Wascana Lake, SK
>W0CH	David	61	Devil's Den State Park, AR
>W0YSE	Neil	95	Wasatch Mountains, UT
>W1PID	Jim	93	Pemigewasset River, NH
>W3TS	Mike	8	Fort Hunter Park, PA
>W4ED	Bob	38	Appalachian Trail, GA
>W5CGH	Brad	48	Lewisville Lake, TX
>W6AGS	Arthur	52	Wheeler Ridge, CA
>W6ZIP	John	80	Big Bear Wilderness, CA
>W7CD	Bob	97	Near Canadian boarder, WA
>W8DIZ	Dieter	62	Loveland Ohio bike Trail
>W9SUL	Dave	26	
>WA2COG	Michael	75	Lake Fenwick, WA
>WA2HQ	Bob	11	New Bold Island, Delaware River
>WA4SQM	Ken	30	North Georgia Mountains
>WA7LW	Jack	72	Zion National Park, UT
>WB3AAL	Ron	6	Appalachian Trail, PA
>WB6FZH	Greg	55	Shasta Trinity National Forest, CA
>WB6MFS	John	78	Castle near Carcassonne, France
>WD3P	Larry	2	West Virginia
>WE6W	Ed	21	Annadel State Park, CA
>WF4I	Derek	46	Mt. Mitchell State Park, NC

>

>****

>

>Russ Carpenter, AA7QU

>Contest Manager for The Adventure Radio Society

>

Date: Thu, 27 Jul 2000 18:38:34 EDT
From: K4NK@aol.com
To: qrp-1@lehigh.edu
Subject: [75998] Presidents award QRP ARCI
Message-ID: <54.731d017.26b213ea@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Congratulations to Ed Hare W1RFI on receiving the QRP ARCI Presidents Award. I was pleased to honor Ed with this award at the ARRL Board of Directors meeting this past weekend. The presentation was also listed in the official minutes of the meeting and will be printed in QST.

The Presidents award is given to those who have consistantly given of themselves to the QRP community. Mr. Hare is one of QRP strongest supporters and well deserving of the honor.

I might add that for my part , Ed got out the original Tuna Tin 2 and let me touch it and operate as W1AW with it . (WHEW) It was great fun.

Les Shattuck K4NK
ARRL Vice Director Roanoke Division
QRP ARCI Past President and Club Historian

Date: Thu, 27 Jul 2000 18:56:27 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Paul Erickson <paule@sfu.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [75999] Re: FOBB - What bands?
Message-ID: <Pine.3.89.10007271833.A28621-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 27 Jul 2000, Paul Erickson wrote:

>
> I agree, however, in this case, I will be running S02R, so one
> of my rigs will be on 40 for the first few minutes to try and
> catch a mult or two. See you on 20/15/10.

>
Wow, getting into big time QRP contesting with two radios! :-)
Not much chance of us working on 40, but hope CU on the other bands.

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

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E-Mail: n4bp@bc.seflin.org
Web Page: <http://www.qsl.net/n4bp>
Brass Pounder BBS: (954) 472-7715
SOC #1Whiners #6

End of QRP-L Digest 1895

